

214

Transportation Carrier Shipment Status Message

Functional Group=QM

This Draft Standard for Trial Use contains the format and establishes the data contents of the Transportation Carrier Shipment Status Message Transaction Set (214) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used by a transportation carrier to provide shippers, consignees, and their agents with the status of shipments in terms of dates, times, locations, route, identifying numbers, and conveyance.

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	B10	Beginning Segment for Transportation Carrier Shipment Status Message	M	1			Must use
030	L11	Business Instructions and Reference Number	O	300			Used
035	MAN	Marks and Numbers	O	9999			Used
040	K1	Remarks	O	10			Used

LOOP ID - 0100					10		
050	N1	Name	O	1			Used
060	N2	Additional Name Information	O	1			Used
070	N3	Address Information	O	2			Used
080	N4	Geographic Location	O	1			Used
090	G61	Contact	O	1			Used
100	G62	Date/Time	O	1		N1/100	Used
110	L11	Business Instructions and Reference Number	O	10			Used

120	MS3	Interline Information	O	12			Used
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LOOP ID - 0200					999999		
130	LX	Assigned Number	O	1			Used

LOOP ID - 0205					10		
140	AT7	Shipment Status Details	O	1			Used
143	MS1	Equipment, Shipment, or Real Property Location	O	1			Used
146	MS2	Equipment or Container Owner and Type	O	1			Used

150	L11	Business Instructions and Reference Number	O	10			Used
155	MAN	Marks and Numbers	O	9999			Used
160	Q7	Lading Exception Code	O	10			Used
170	K1	Remarks	O	10			Used
180	AT5	Bill of Lading Handling Requirements	O	10			Used
200	AT8	Shipment Weight, Packaging and Quantity	O	10			Used

Data						
LOOP ID - 0210					999999	N1/210L
210	CD3	Carton (Package) Detail	O	1		Used
220	L11	Business Instructions and Reference Number	O	20		Used
LOOP ID - 0215					10	
230	AT7	Shipment Status Details	O	1		Used
233	MS1	Equipment, Shipment, or Real Property Location	O	1		Used
236	MS2	Equipment or Container Owner and Type	O	1		Used
240	NM1	Individual or Organizational Name	O	1		Used
250	Q7	Lading Exception Code	O	10		Used
260	AT8	Shipment Weight, Packaging and Quantity Data	O	1		Used
265	MAN	Marks and Numbers	O	9999		Used
LOOP ID - 0220					999999	
270	N1	Name	O	1		Used
280	N2	Additional Name Information	O	1		Used
290	N3	Address Information	O	3		Used
300	N4	Geographic Location	O	1		Used
310	L11	Business Instructions and Reference Number	O	10		Used
LOOP ID - 0230					999999	
320	PRF	Purchase Order Reference	O	1		Used
LOOP ID - 0231					999999	
330	N1	Name	O	1		Used
340	N2	Additional Name Information	O	1		Used
350	N3	Address Information	O	2		Used
360	N4	Geographic Location	O	1		Used
370	L11	Business Instructions and Reference Number	O	10		Used
LOOP ID - 0233					999999	
380	CD3	Carton (Package) Detail	O	1		Used
390	L11	Business Instructions and Reference Number	O	20		Used
LOOP ID - 0240					10	
400	AT7	Shipment Status Details	O	1		Used
402	MS1	Equipment, Shipment, or Real Property Location	O	1		Used
404	MS2	Equipment or Container Owner and Type	O	1		Used
405	MAN	Marks and Numbers	O	9999		Used
LOOP ID - 0250					999999	
410	SPO	Shipment Purchase Order Detail	O	1		Used
420	SDQ	Destination Quantity	O	10		Used
LOOP ID - 0260					>1	
423	EFI	Electronic Format Identification	O	1		Used

426	BIN	Binary Data	M	1		Must use
610	SE	Transaction Set Trailer	M	1		Must use

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Notes:

- 1/100 Status and appointment dates and times shall not be transmitted in the G62 segment.
- 1/210L Loops 0210, 0215 and 0220 shall be used in conjunction with loop 0200 to convey status for small package carrier shipments.
- 1/210 Loops 0210, 0215 and 0220 shall be used in conjunction with loop 0200 to convey status for small package carrier shipments.

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information All valid standard codes are used.	M	ID	2/2	Must use
ISA02	I02	Authorization Information Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10	Must use
ISA03	I03	Security Information Qualifier Description: Code to identify the type of information in the Security Information All valid standard codes are used.	M	ID	2/2	Must use
ISA04	I04	Security Information Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10	Must use
ISA05	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used.	M	ID	2/2	Must use
ISA06	I06	Interchange Sender ID Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M	AN	15/15	Must use
ISA07	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used.	M	ID	2/2	Must use
ISA08	I07	Interchange Receiver ID Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them	M	AN	15/15	Must use
ISA09	I08	Interchange Date	M	DT	6/6	Must use

ISA10	I09	Description: Date of the interchange Interchange Time	M	TM	4/4	Must use
ISA11	I10	Description: Time of the interchange Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used.	M	ID	1/1	Must use
ISA12	I11	Interchange Control Version Number Description: Code specifying the version number of the interchange control segments All valid standard codes are used.	M	ID	5/5	Must use
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) All valid standard codes are used.	M	ID	1/1	Must use
ISA15	I14	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information All valid standard codes are used.	M	ID	1/1	Must use
ISA16	I15	Component Element Separator Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1/1	Must use

GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

To indicate the beginning of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets All valid standard codes are used.	M	ID	2/2	Must use
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS04	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use
GS05	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M	TM	4/8	Must use
GS06	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use
GS07	455	Responsible Agency Code Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 All valid standard codes are used.	M	ID	1/2	Must use
GS08	480	Version / Release / Industry Identifier Code Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed All valid standard codes are used.	M	AN	1/12	Must use

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set All valid standard codes are used.	M	ID	3/3	Must use
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

B10 Beginning Segment for Transportation Carrier Shipment Status Message

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 7

User Option (Usage): Must use

To transmit identifying numbers and other basic data relating to the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
B1001	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
B1002	145	Shipment Identification Number Description: Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	O	AN	1/30	Used
B1003	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code	M	ID	2/4	Must use
B1004	71	Inquiry Request Number Description: Identifying number assigned by inquirer	O	N0	1/3	Used
B1005	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification All valid standard codes are used.	X	ID	2/3	Used
B1006	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
B1007	1073	Yes/No Condition or Response Code Description: Code indicating a Yes or No condition or response All valid standard codes are used.	O	ID	1/1	Used

Syntax:

1. R0106 - At least one of B1001,B1006 is required
2. E0105 - Only one of B1001,B1005 may be presented
3. P0506 - If either B1005,B1006 is present, then all are required

Semantics:

1. B1001 is the carrier assigned reference number.
2. B1007 indicates if the reference numbers included in this transmission were transmitted to the carrier via EDI or key entered by the carrier. A "Y" indicates that the carrier received the reference numbers in an EDI transmission; an "N" indicates that the carrier did not receive the reference numbers in an EDI transmission

and key entered the data from a shipper supplied document.

Comments:

1. B1001 is the carrier's PRO (invoice number) that identifies the shipment.
2. B1003 is required when used in Transaction Set 214.
3. B1006 is the carrier assigned bar code identification or another carrier assigned shipment identification, such as a manifest number.

L11 Business Instructions and Reference Number

Pos: 030	Max: 300
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
L1102	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification All valid standard codes are used.	X	ID	2/3	Used
L1103	352	Description Description: A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0103 - At least one of L1101,L1103 is required
2. P0102 - If either L1101,L1102 is present, then all are required

MAN Marks and Numbers

Pos: 035	Max: 9999
Heading - Optional	
Loop: N/A	Elements: 6

User Option (Usage): Used

To indicate identifying marks and numbers for shipping containers

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MAN01	88	Marks and Numbers Qualifier Description: Code specifying the application or source of Marks and Numbers (87) All valid standard codes are used.	M	ID	1/2	Must use
MAN02	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	M	AN	1/48	Must use
MAN03	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	O	AN	1/48	Used
MAN04	88	Marks and Numbers Qualifier Description: Code specifying the application or source of Marks and Numbers (87) All valid standard codes are used.	X	ID	1/2	Used
MAN05	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	X	AN	1/48	Used
MAN06	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	O	AN	1/48	Used

Syntax:

1. P0405 - If either MAN04,MAN05 is present, then all are required
2. C0605 - If MAN06 is present, then all of MAN05 are required

Semantics:

1. MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
2. When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
3. When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

Comments:

1. When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
2. MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers.
3. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

K1

Remarks

Pos: 040	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To transmit information in a free-form format for comment or special instruction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
K101	61	Free-Form Message Description: Free-form information	M	AN	1/30	Must use
K102	61	Free-Form Message Description: Free-form information	O	AN	1/30	Used

Loop 0100

Pos: 050	Repeat: 10
Optional	
Loop: 0100	Elements: N/A

To identify a party by type of organization, name, and code

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
050	N1	Name	O	1		Used
060	N2	Additional Name Information	O	1		Used
070	N3	Address Information	O	2		Used
080	N4	Geographic Location	O	1		Used
090	G61	Contact	O	1		Used
100	G62	Date/Time	O	1		Used
110	L11	Business Instructions and Reference Number	O	10		Used

N1

Name

Pos: 050	Max: 1
Heading - Optional	
Loop: 0100	Elements: 6

User Option (Usage): Used

To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.	M	ID	2/3	Must use
N102	93	Name Description: Free-form name	X	AN	1/60	Used
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) All valid standard codes are used.	X	ID	1/2	Used
N104	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
N105	706	Entity Relationship Code Description: Code describing entity relationship All valid standard codes are used.	O	ID	2/2	Used
N106	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.	O	ID	2/3	Used

Syntax:

1. R0203 - At least one of N102,N103 is required
2. P0304 - If either N103,N104 is present, then all are required

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N2

Additional Name Information

Pos: 060	Max: 1
Heading - Optional	
Loop: 0100	Elements: 2

User Option (Usage): Used

To specify additional names or those longer than 35 characters in length

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	Name Description: Free-form name	M	AN	1/60	Must use
N202	93	Name Description: Free-form name	O	AN	1/60	Used

N3 Address Information

Pos: 070	Max: 2
Heading - Optional	
Loop: 0100	Elements: 2

User Option (Usage): Used

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 080	Max: 1
Heading - Optional	
Loop: 0100	Elements: 6

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used
N404	26	Country Code Description: Code identifying the country	O	ID	2/3	Used
N405	309	Location Qualifier Description: Code identifying type of location All valid standard codes are used.	X	ID	1/2	Used
N406	310	Location Identifier Description: Code which identifies a specific location	O	AN	1/30	Used

Syntax:

1. C0605 - If N406 is present, then all of N405 are required

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

G61 Contact

Pos: 090	Max: 1
Heading - Optional	
Loop: 0100	Elements: 5

User Option (Usage): Used

To identify a person or office to whom communications should be directed

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6101	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named All valid standard codes are used.	M	ID	2/2	Must use
G6102	93	Name Description: Free-form name	M	AN	1/60	Must use
G6103	365	Communication Number Qualifier Description: Code identifying the type of communication number All valid standard codes are used.	X	ID	2/2	Used
G6104	364	Communication Number Description: Complete communications number including country or area code when applicable	X	AN	1/80	Used
G6105	443	Contact Inquiry Reference Description: Additional reference number or description to clarify a contact number	O	AN	1/20	Used

Syntax:

1. P0304 - If either G6103,G6104 is present, then all are required

Comments:

1. G6103 qualifies G6104.

G62 Date/Time

Pos: 100	Max: 1
Heading - Optional	
Loop: 0100	Elements: 5

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6201	432	Date Qualifier Description: Code specifying type of date All valid standard codes are used.	X	ID	2/2	Used
G6202	373	Date Description: Date expressed as CCYYMMDD	X	DT	8/8	Used
G6203	176	Time Qualifier Description: Code specifying the reported time All valid standard codes are used.	X	ID	1/2	Used
G6204	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used
G6205	623	Time Code Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow All valid standard codes are used.	O	ID	2/2	Used

Syntax:

1. R0103 - At least one of G6201,G6203 is required
2. P0102 - If either G6201,G6202 is present, then all are required
3. P0304 - If either G6203,G6204 is present, then all are required

L11 Business Instructions and Reference Number

Pos: 110	Max: 10
Heading - Optional	
Loop: 0100	Elements: 3

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
L1102	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification All valid standard codes are used.	X	ID	2/3	Used
L1103	352	Description Description: A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0103 - At least one of L1101,L1103 is required
2. P0102 - If either L1101,L1102 is present, then all are required

MS3 Interline Information

Pos: 120	Max: 12
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

To identify the interline carrier and relevant data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MS301	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code	M	ID	2/4	Must use
MS302	133	Routing Sequence Code Description: Code describing the relationship of a carrier to a specific shipment movement All valid standard codes are used.	M	ID	1/2	Must use
MS303	19	City Name Description: Free-form text for city name	X	AN	2/30	Used
MS304	91	Transportation Method/Type Code Description: Code specifying the method or type of transportation for the shipment All valid standard codes are used.	O	ID	1/2	Used
MS305	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used

Syntax:

1. C0503 - If MS305 is present, then all of MS303 are required

Semantics:

1. MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.
2. MS303 is the city where the interline was performed.

Loop 0200

Pos: 130	Repeat: 999999
Optional	
Loop: 0200	Elements: N/A

To reference a line number in a transaction set

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
130	LX	Assigned Number	O	1		Used
140		Loop 0205	O		10	Used
150	L11	Business Instructions and Reference Number	O	10		Used
155	MAN	Marks and Numbers	O	9999		Used
160	Q7	Lading Exception Code	O	10		Used
170	K1	Remarks	O	10		Used
180	AT5	Bill of Lading Handling Requirements	O	10		Used
200	AT8	Shipment Weight, Packaging and Quantity Data	O	10		Used
210		Loop 0210	O		999999	Used
320		Loop 0230	O		999999	Used
410		Loop 0250	O		999999	Used
423		Loop 0260	O		>1	Used

LX Assigned Number

Pos: 130	Max: 1
Heading - Optional	
Loop: 0200	Elements: 1

User Option (Usage): Used

To reference a line number in a transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LX01	554	Assigned Number Description: Number assigned for differentiation within a transaction set	M	N0	1/6	Must use

Loop 0205

Pos: 140	Repeat: 10
Optional	
Loop: 0205	Elements: N/A

To specify the status of a shipment, the reason for that status, the date and time of the status and the date and time of any appointments scheduled.

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
140	AT7	Shipment Status Details	O	1		Used
143	MS1	Equipment, Shipment, or Real Property Location	O	1		Used
146	MS2	Equipment or Container Owner and Type	O	1		Used

AT7 Shipment Status Details

Pos: 140	Max: 1
Heading - Optional	
Loop: 0205	Elements: 7

User Option (Usage): Used

To specify the status of a shipment, the reason for that status, the date and time of the status and the date and time of any appointments scheduled.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT701	1650	Shipment Status Code Description: Code indicating the status of a shipment All valid standard codes are used.	X	ID	2/2	Used
AT702	1651	Shipment Status or Appointment Reason Code Description: Code indicating the reason a shipment status or appointment reason was transmitted All valid standard codes are used.	X	ID	2/2	Used
AT703	1652	Shipment Appointment Status Code Description: Code indicating the status of an appointment to pick-up or deliver a shipment All valid standard codes are used.	X	ID	2/2	Used
AT704	1651	Shipment Status or Appointment Reason Code Description: Code indicating the reason a shipment status or appointment reason was transmitted All valid standard codes are used.	X	ID	2/2	Used
AT705	373	Date Description: Date expressed as CCYYMMDD	X	DT	8/8	Used
AT706	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used
AT707	623	Time Code Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow All valid standard codes are used.	O	ID	2/2	Used

Syntax:

1. E0103 - Only one of AT701,AT703 may be presented

2. P0102 - If either AT701,AT702 is present, then all are required
3. P0304 - If either AT703,AT704 is present, then all are required
4. C0605 - If AT706 is present, then all of AT705 are required
5. C0706 - If AT707 is present, then all of AT706 are required

Semantics:

1. If AT701 is present, AT705 is the date the status occurred. If AT703 is present, AT705 is a date related to an appointment.
2. If AT701 is present, AT706 is the time of the status. If AT703 is present, AT706 is the time of the appointment.
3. If AT707 is not present then AT706 represents local time of the status.

MS1 Equipment, Shipment, or Real Property Location

Pos: 143	Max: 1
Heading - Optional	
Loop: 0205	Elements: 7

User Option (Usage): Used

To specify the location of a piece of equipment, a shipment, or real property in terms of city and state or longitude and latitude

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MS101	19	City Name Description: Free-form text for city name	X	AN	2/30	Used
MS102	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	X	ID	2/2	Used
MS103	26	Country Code Description: Code identifying the country	X	ID	2/3	Used
MS104	1654	Longitude Code Description: Code indicating the longitude in degrees (3 positions), minutes (2 positions), and seconds (2 positions)	X	ID	7/7	Used
MS105	1655	Latitude Code Description: Code indicating the latitude in degrees (3 positions), minutes (2 positions), seconds (2 positions)	X	ID	7/7	Used
MS106	1280	Direction Identifier Code Description: Code identifying geographic direction All valid standard codes are used.	O	ID	1/1	Used
MS107	1280	Direction Identifier Code Description: Code identifying geographic direction All valid standard codes are used.	O	ID	1/1	Used

Syntax:

1. L010203 - If MS101 is present, then at least one of MS102,MS103 is required
2. E0104 - Only one of MS101,MS104 may be presented
3. C0201 - If MS102 is present, then all of MS101 are required
4. C0301 - If MS103 is present, then all of MS101 are required
5. P0405 - If either MS104,MS105 is present, then all are required
6. C0604 - If MS106 is present, then all of MS104 are required
7. C0705 - If MS107 is present, then all of MS105 are required

Semantics:

1. MS104 is the longitude expressed in Degrees, Minutes, and Seconds.
2. MS105 is the latitude expressed in Degrees, Minutes, and Seconds.
3. MS106 may only be 'E' or 'W'.
4. MS107 may only be 'N' or 'S'.

MS2 Equipment or Container Owner and Type

Pos: 146	Max: 1
Heading - Optional	
Loop: 0205	Elements: 4

User Option (Usage): Used

To specify the owner, the identification number assigned by that owner, and the type of equipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MS201	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code	X	ID	2/4	Used
MS202	207	Equipment Number Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	X	AN	1/10	Used
MS203	40	Equipment Description Code Description: Code identifying type of equipment used for shipment All valid standard codes are used.	O	ID	2/2	Used
MS204	761	Equipment Number Check Digit Description: Number which designates the check digit applied to a piece of equipment	O	N0	1/1	Used

Syntax:

1. P0102 - If either MS201,MS202 is present, then all are required
2. C0402 - If MS204 is present, then all of MS202 are required

Comments:

1. MS203 identifies the type for the equipment specified in MS202.

L11 Business Instructions and Reference Number

Pos: 150	Max: 10
Heading - Optional	
Loop: 0200	Elements: 3

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
L1102	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification All valid standard codes are used.	X	ID	2/3	Used
L1103	352	Description Description: A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0103 - At least one of L1101,L1103 is required
2. P0102 - If either L1101,L1102 is present, then all are required

MAN Marks and Numbers

Pos: 155	Max: 9999
Heading - Optional	
Loop: 0200	Elements: 6

User Option (Usage): Used

To indicate identifying marks and numbers for shipping containers

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MAN01	88	Marks and Numbers Qualifier Description: Code specifying the application or source of Marks and Numbers (87) All valid standard codes are used.	M	ID	1/2	Must use
MAN02	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	M	AN	1/48	Must use
MAN03	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	O	AN	1/48	Used
MAN04	88	Marks and Numbers Qualifier Description: Code specifying the application or source of Marks and Numbers (87) All valid standard codes are used.	X	ID	1/2	Used
MAN05	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	X	AN	1/48	Used
MAN06	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	O	AN	1/48	Used

Syntax:

1. P0405 - If either MAN04,MAN05 is present, then all are required
2. C0605 - If MAN06 is present, then all of MAN05 are required

Semantics:

1. MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
2. When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
3. When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

Comments:

1. When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
2. MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers.
3. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Q7 Lading Exception Code

Pos: 160	Max: 10
Heading - Optional	
Loop: 0200	Elements: 3

User Option (Usage): Used

To specify the status of the shipment in terms of lading exception information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
Q701	33	Lading Exception Code Description: Code indicating the condition of the shipment All valid standard codes are used.	M	ID	1/1	Must use
Q702	211	Packaging Form Code Description: Code for packaging form of the lading quantity All valid standard codes are used.	O	ID	3/3	Used
Q703	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	X	N0	1/7	Used

Syntax:

1. C0203 - If Q702 is present, then all of Q703 are required

K1 Remarks

Pos: 170	Max: 10
Heading - Optional	
Loop: 0200	Elements: 2

User Option (Usage): Used

To transmit information in a free-form format for comment or special instruction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
K101	61	Free-Form Message Description: Free-form information	M	AN	1/30	Must use
K102	61	Free-Form Message Description: Free-form information	O	AN	1/30	Used

AT5 Bill of Lading Handling Requirements

Pos: 180	Max: 10
Heading - Optional	
Loop: 0200	Elements: 3

User Option (Usage): Used

To identify Bill of Lading handling and service requirements

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT501	152	Special Handling Code Description: Code specifying special transportation handling instructions All valid standard codes are used.	X	ID	2/3	Used
AT502	560	Special Services Code Description: Code identifying the special service All valid standard codes are used.	X	ID	2/10	Used
AT503	153	Special Handling Description Description: Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	X	AN	2/30	Used

Syntax:

1. E0103 - Only one of AT501,AT503 may be presented
2. E0203 - Only one of AT502,AT503 may be presented

AT8 Shipment Weight, Packaging and Quantity Data

Pos: 200	Max: 10
Heading - Optional	
Loop: 0200	Elements: 7

User Option (Usage): Used

To specify shipment details in terms of weight, and quantity of handling units

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT801	187	Weight Qualifier Description: Code defining the type of weight All valid standard codes are used.	X	ID	1/2	Used
AT802	188	Weight Unit Code Description: Code specifying the weight unit All valid standard codes are used.	X	ID	1/1	Used
AT803	81	Weight Description: Numeric value of weight	X	R	1/10	Used
AT804	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	O	N0	1/7	Used
AT805	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	O	N0	1/7	Used
AT806	184	Volume Unit Qualifier Description: Code identifying the volume unit All valid standard codes are used.	X	ID	1/1	Used
AT807	183	Volume Description: Value of volumetric measure	X	R	1/8	Used

Syntax:

1. P010203 - If either AT801,AT802,AT803 is present, then all are required
2. P0607 - If either AT806,AT807 is present, then all are required

Semantics:

1. AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.
2. AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.

Loop 0210

Pos: 210	Repeat: 999999
Optional	
Loop: 0210	Elements: N/A

To transmit identifying codes, weights, and other related information related to an individual carton (package)

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
210	CD3	Carton (Package) Detail	O	1		Used
220	L11	Business Instructions and Reference Number	O	20		Used
230		Loop 0215	O		10	Used
240	NM1	Individual or Organizational Name	O	1		Used
250	Q7	Lading Exception Code	O	10		Used
260	AT8	Shipment Weight, Packaging and Quantity Data	O	1		Used
265	MAN	Marks and Numbers	O	9999		Used
270		Loop 0220	O		999999	Used

CD3 Carton (Package) Detail

Pos: 210	Max: 1
Heading - Optional	
Loop: 0210	Elements: 14

User Option (Usage): Used

To transmit identifying codes, weights, and other related information related to an individual carton (package)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CD301	187	Weight Qualifier Description: Code defining the type of weight All valid standard codes are used.	X	ID	1/2	Used
CD302	81	Weight Description: Numeric value of weight	X	R	1/10	Used
CD303	619	Zone Description: To identify zone	O	AN	2/3	Used
CD304	34	Service Standard Description: To report the time period of carrier's standard service for the shipment	O	N1	1/4	Used
CD305	284	Service Level Code Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier All valid standard codes are used.	X	ID	2/2	Used
CD306	108	Pick-up or Delivery Code Description: Specifies the location or type of pickup or delivery All valid standard codes are used.	O	ID	1/2	Used
CD307	122	Rate/Value Qualifier Description: Code qualifying how to extend charges or interpret value All valid standard codes are used.	X	ID	2/2	Used
CD308	58	Charge Description: For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	X	N2	1/12	Used
CD309	122	Rate/Value Qualifier Description: Code qualifying how to extend charges or interpret value All valid standard codes are used.	X	ID	2/2	Used
CD310	58	Charge Description: For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	X	N2	1/12	Used
CD311	284	Service Level Code Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier	X	ID	2/2	Used

CD312	284	All valid standard codes are used. Service Level Code Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier All valid standard codes are used.	O	ID	2/2	Used
CD313	591	Payment Method Code Description: Code identifying the method for the movement of payment instructions All valid standard codes are used.	O	ID	3/3	Used
CD314	26	Country Code Description: Code identifying the country	O	ID	2/3	Used

Syntax:

1. P0102 - If either CD301,CD302 is present, then all are required
2. P0708 - If either CD307,CD308 is present, then all are required
3. P0910 - If either CD309,CD310 is present, then all are required
4. C1105 - If CD311 is present, then all of CD305 are required
5. C1211 - If CD312 is present, then all of CD311 are required
6. C1405 - If CD314 is present, then all of CD305 are required

Semantics:

1. CD308 is the charge for the single package.
2. CD310 is the total charge for all of the packages.
3. CD314 is the country where the service is to be performed.

L11 Business Instructions and Reference Number

Pos: 220	Max: 20
Heading - Optional	
Loop: 0210	Elements: 3

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
L1102	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification All valid standard codes are used.	X	ID	2/3	Used
L1103	352	Description Description: A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0103 - At least one of L1101,L1103 is required
2. P0102 - If either L1101,L1102 is present, then all are required

Loop 0215

Pos: 230	Repeat: 10
Optional	
Loop: 0215	Elements: N/A

To specify the status of a shipment, the reason for that status, the date and time of the status and the date and time of any appointments scheduled.

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
230	AT7	Shipment Status Details	O	1		Used
233	MS1	Equipment, Shipment, or Real Property Location	O	1		Used
236	MS2	Equipment or Container Owner and Type	O	1		Used

AT7 Shipment Status Details

Pos: 230	Max: 1
Heading - Optional	
Loop: 0215	Elements: 7

User Option (Usage): Used

To specify the status of a shipment, the reason for that status, the date and time of the status and the date and time of any appointments scheduled.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT701	1650	Shipment Status Code Description: Code indicating the status of a shipment All valid standard codes are used.	X	ID	2/2	Used
AT702	1651	Shipment Status or Appointment Reason Code Description: Code indicating the reason a shipment status or appointment reason was transmitted All valid standard codes are used.	X	ID	2/2	Used
AT703	1652	Shipment Appointment Status Code Description: Code indicating the status of an appointment to pick-up or deliver a shipment All valid standard codes are used.	X	ID	2/2	Used
AT704	1651	Shipment Status or Appointment Reason Code Description: Code indicating the reason a shipment status or appointment reason was transmitted All valid standard codes are used.	X	ID	2/2	Used
AT705	373	Date Description: Date expressed as CCYYMMDD	X	DT	8/8	Used
AT706	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used
AT707	623	Time Code Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow All valid standard codes are used.	O	ID	2/2	Used

Syntax:

1. E0103 - Only one of AT701,AT703 may be presented

2. P0102 - If either AT701,AT702 is present, then all are required
3. P0304 - If either AT703,AT704 is present, then all are required
4. C0605 - If AT706 is present, then all of AT705 are required
5. C0706 - If AT707 is present, then all of AT706 are required

Semantics:

1. If AT701 is present, AT705 is the date the status occurred. If AT703 is present, AT705 is a date related to an appointment.
2. If AT701 is present, AT706 is the time of the status. If AT703 is present, AT706 is the time of the appointment.
3. If AT707 is not present then AT706 represents local time of the status.

MS1 Equipment, Shipment, or Real Property Location

Pos: 233	Max: 1
Heading - Optional	
Loop: 0215	Elements: 7

User Option (Usage): Used

To specify the location of a piece of equipment, a shipment, or real property in terms of city and state or longitude and latitude

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MS101	19	City Name Description: Free-form text for city name	X	AN	2/30	Used
MS102	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	X	ID	2/2	Used
MS103	26	Country Code Description: Code identifying the country	X	ID	2/3	Used
MS104	1654	Longitude Code Description: Code indicating the longitude in degrees (3 positions), minutes (2 positions), and seconds (2 positions)	X	ID	7/7	Used
MS105	1655	Latitude Code Description: Code indicating the latitude in degrees (3 positions), minutes (2 positions), seconds (2 positions)	X	ID	7/7	Used
MS106	1280	Direction Identifier Code Description: Code identifying geographic direction All valid standard codes are used.	O	ID	1/1	Used
MS107	1280	Direction Identifier Code Description: Code identifying geographic direction All valid standard codes are used.	O	ID	1/1	Used

Syntax:

1. L010203 - If MS101 is present, then at least one of MS102,MS103 is required
2. E0104 - Only one of MS101,MS104 may be presented
3. C0201 - If MS102 is present, then all of MS101 are required
4. C0301 - If MS103 is present, then all of MS101 are required
5. P0405 - If either MS104,MS105 is present, then all are required
6. C0604 - If MS106 is present, then all of MS104 are required
7. C0705 - If MS107 is present, then all of MS105 are required

Semantics:

1. MS104 is the longitude expressed in Degrees, Minutes, and Seconds.
2. MS105 is the latitude expressed in Degrees, Minutes, and Seconds.
3. MS106 may only be 'E' or 'W'.
4. MS107 may only be 'N' or 'S'.

MS2 Equipment or Container Owner and Type

Pos: 236	Max: 1
Heading - Optional	
Loop: 0215	Elements: 4

User Option (Usage): Used

To specify the owner, the identification number assigned by that owner, and the type of equipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MS201	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code	X	ID	2/4	Used
MS202	207	Equipment Number Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	X	AN	1/10	Used
MS203	40	Equipment Description Code Description: Code identifying type of equipment used for shipment All valid standard codes are used.	O	ID	2/2	Used
MS204	761	Equipment Number Check Digit Description: Number which designates the check digit applied to a piece of equipment	O	N0	1/1	Used

Syntax:

1. P0102 - If either MS201,MS202 is present, then all are required
2. C0402 - If MS204 is present, then all of MS202 are required

Comments:

1. MS203 identifies the type for the equipment specified in MS202.

NM1 Individual or Organizational Name

Pos: 240	Max: 1
Heading - Optional	
Loop: 0210	Elements: 11

User Option (Usage): Used

To supply the full name of an individual or organizational entity

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
NM101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.	M	ID	2/3	Must use
NM102	1065	Entity Type Qualifier Description: Code qualifying the type of entity All valid standard codes are used.	M	ID	1/1	Must use
NM103	1035	Name Last or Organization Name Description: Individual last name or organizational name	O	AN	1/35	Used
NM104	1036	Name First Description: Individual first name	O	AN	1/25	Used
NM105	1037	Name Middle Description: Individual middle name or initial	O	AN	1/25	Used
NM106	1038	Name Prefix Description: Prefix to individual name	O	AN	1/10	Used
NM107	1039	Name Suffix Description: Suffix to individual name	O	AN	1/10	Used
NM108	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) All valid standard codes are used.	X	ID	1/2	Used
NM109	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
NM110	706	Entity Relationship Code Description: Code describing entity relationship All valid standard codes are used.	X	ID	2/2	Used
NM111	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.	O	ID	2/3	Used

Syntax:

1. P0809 - If either NM108,NM109 is present, then all are required
2. C1110 - If NM111 is present, then all of NM110 are required

Semantics:

1. NM102 qualifies NM103.

Comments:

1. NM110 and NM111 further define the type of entity in NM101.

Q7 Lading Exception Code

Pos: 250	Max: 10
Heading - Optional	
Loop: 0210	Elements: 3

User Option (Usage): Used

To specify the status of the shipment in terms of lading exception information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
Q701	33	Lading Exception Code Description: Code indicating the condition of the shipment All valid standard codes are used.	M	ID	1/1	Must use
Q702	211	Packaging Form Code Description: Code for packaging form of the lading quantity All valid standard codes are used.	O	ID	3/3	Used
Q703	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	X	N0	1/7	Used

Syntax:

1. C0203 - If Q702 is present, then all of Q703 are required

AT8 Shipment Weight, Packaging and Quantity Data

Pos: 260	Max: 1
Heading - Optional	
Loop: 0210	Elements: 7

User Option (Usage): Used

To specify shipment details in terms of weight, and quantity of handling units

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT801	187	Weight Qualifier Description: Code defining the type of weight All valid standard codes are used.	X	ID	1/2	Used
AT802	188	Weight Unit Code Description: Code specifying the weight unit All valid standard codes are used.	X	ID	1/1	Used
AT803	81	Weight Description: Numeric value of weight	X	R	1/10	Used
AT804	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	O	N0	1/7	Used
AT805	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	O	N0	1/7	Used
AT806	184	Volume Unit Qualifier Description: Code identifying the volume unit All valid standard codes are used.	X	ID	1/1	Used
AT807	183	Volume Description: Value of volumetric measure	X	R	1/8	Used

Syntax:

1. P010203 - If either AT801,AT802,AT803 is present, then all are required
2. P0607 - If either AT806,AT807 is present, then all are required

Semantics:

1. AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.
2. AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.

MAN Marks and Numbers

Pos: 265	Max: 9999
Heading - Optional	
Loop: 0210	Elements: 6

User Option (Usage): Used

To indicate identifying marks and numbers for shipping containers

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MAN01	88	Marks and Numbers Qualifier Description: Code specifying the application or source of Marks and Numbers (87) All valid standard codes are used.	M	ID	1/2	Must use
MAN02	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	M	AN	1/48	Must use
MAN03	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	O	AN	1/48	Used
MAN04	88	Marks and Numbers Qualifier Description: Code specifying the application or source of Marks and Numbers (87) All valid standard codes are used.	X	ID	1/2	Used
MAN05	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	X	AN	1/48	Used
MAN06	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	O	AN	1/48	Used

Syntax:

1. P0405 - If either MAN04,MAN05 is present, then all are required
2. C0605 - If MAN06 is present, then all of MAN05 are required

Semantics:

1. MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
2. When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
3. When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

Comments:

1. When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
2. MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers.
3. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Loop 0220

Pos: 270	Repeat: 999999
Optional	
Loop: 0220	Elements: N/A

To identify a party by type of organization, name, and code

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
270	N1	Name	O	1		Used
280	N2	Additional Name Information	O	1		Used
290	N3	Address Information	O	3		Used
300	N4	Geographic Location	O	1		Used
310	L11	Business Instructions and Reference Number	O	10		Used

N1

Name

Pos: 270	Max: 1
Heading - Optional	
Loop: 0220	Elements: 6

User Option (Usage): Used

To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.	M	ID	2/3	Must use
N102	93	Name Description: Free-form name	X	AN	1/60	Used
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) All valid standard codes are used.	X	ID	1/2	Used
N104	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
N105	706	Entity Relationship Code Description: Code describing entity relationship All valid standard codes are used.	O	ID	2/2	Used
N106	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.	O	ID	2/3	Used

Syntax:

1. R0203 - At least one of N102,N103 is required
2. P0304 - If either N103,N104 is present, then all are required

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N2

Additional Name Information

Pos: 280	Max: 1
Heading - Optional	
Loop: 0220	Elements: 2

User Option (Usage): Used

To specify additional names or those longer than 35 characters in length

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	Name Description: Free-form name	M	AN	1/60	Must use
N202	93	Name Description: Free-form name	O	AN	1/60	Used

N3 Address Information

Pos: 290	Max: 3
Heading - Optional	
Loop: 0220	Elements: 2

User Option (Usage): Used

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 300	Max: 1
Heading - Optional	
Loop: 0220	Elements: 6

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used
N404	26	Country Code Description: Code identifying the country	O	ID	2/3	Used
N405	309	Location Qualifier Description: Code identifying type of location All valid standard codes are used.	X	ID	1/2	Used
N406	310	Location Identifier Description: Code which identifies a specific location	O	AN	1/30	Used

Syntax:

1. C0605 - If N406 is present, then all of N405 are required

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

L11 Business Instructions and Reference Number

Pos: 310	Max: 10
Heading - Optional	
Loop: 0220	Elements: 3

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
L1102	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification All valid standard codes are used.	X	ID	2/3	Used
L1103	352	Description Description: A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0103 - At least one of L1101,L1103 is required
2. P0102 - If either L1101,L1102 is present, then all are required

Loop 0230

Pos: 320	Repeat: 999999
Optional	
Loop: 0230	Elements: N/A

To provide reference to a specific purchase order

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
320	PRF	Purchase Order Reference	O	1		Used
330		Loop 0231	O		999999	Used
380		Loop 0233	O		999999	Used

PRF Purchase Order Reference

Pos: 320	Max: 1
Heading - Optional	
Loop: 0230	Elements: 7

User Option (Usage): Used

To provide reference to a specific purchase order

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PRF01	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22	Must use
PRF02	328	Release Number Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O	AN	1/30	Used
PRF03	327	Change Order Sequence Number Description: Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	O	AN	1/8	Used
PRF04	373	Date Description: Date expressed as CCYYMMDD	O	DT	8/8	Used
PRF05	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
PRF06	367	Contract Number Description: Contract number	O	AN	1/30	Used
PRF07	92	Purchase Order Type Code Description: Code specifying the type of Purchase Order All valid standard codes are used.	O	ID	2/2	Used

Semantics:

1. PRF04 is the date assigned by the purchaser to purchase order.

Loop 0231

Pos: 330	Repeat: 999999
Optional	
Loop: 0231	Elements: N/A

To identify a party by type of organization, name, and code

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
330	N1	Name	O	1		Used
340	N2	Additional Name Information	O	1		Used
350	N3	Address Information	O	2		Used
360	N4	Geographic Location	O	1		Used
370	L11	Business Instructions and Reference Number	O	10		Used

N1

Name

Pos: 330	Max: 1
Heading - Optional	
Loop: 0231	Elements: 6

User Option (Usage): Used

To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.	M	ID	2/3	Must use
N102	93	Name Description: Free-form name	X	AN	1/60	Used
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) All valid standard codes are used.	X	ID	1/2	Used
N104	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
N105	706	Entity Relationship Code Description: Code describing entity relationship All valid standard codes are used.	O	ID	2/2	Used
N106	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.	O	ID	2/3	Used

Syntax:

1. R0203 - At least one of N102,N103 is required
2. P0304 - If either N103,N104 is present, then all are required

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N2

Additional Name Information

Pos: 340 Max: 1
 Heading - Optional
 Loop: 0231 Elements: 2

User Option (Usage): Used

To specify additional names or those longer than 35 characters in length

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	Name Description: Free-form name	M	AN	1/60	Must use
N202	93	Name Description: Free-form name	O	AN	1/60	Used

N3 Address Information

Pos: 350	Max: 2
Heading - Optional	
Loop: 0231	Elements: 2

User Option (Usage): Used

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 360	Max: 1
Heading - Optional	
Loop: 0231	Elements: 6

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used
N404	26	Country Code Description: Code identifying the country	O	ID	2/3	Used
N405	309	Location Qualifier Description: Code identifying type of location All valid standard codes are used.	X	ID	1/2	Used
N406	310	Location Identifier Description: Code which identifies a specific location	O	AN	1/30	Used

Syntax:

1. C0605 - If N406 is present, then all of N405 are required

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

L11 Business Instructions and Reference Number

Pos: 370	Max: 10
Heading - Optional	
Loop: 0231	Elements: 3

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
L1102	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification All valid standard codes are used.	X	ID	2/3	Used
L1103	352	Description Description: A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0103 - At least one of L1101,L1103 is required
2. P0102 - If either L1101,L1102 is present, then all are required

Loop 0233

Pos: 380	Repeat: 999999
Optional	
Loop: 0233	Elements: N/A

To transmit identifying codes, weights, and other related information related to an individual carton (package)

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
380	CD3	Carton (Package) Detail	O	1		Used
390	L11	Business Instructions and Reference Number	O	20		Used
400		Loop 0240	O		10	Used
405	MAN	Marks and Numbers	O	9999		Used

CD3 Carton (Package) Detail

Pos: 380	Max: 1
Heading - Optional	
Loop: 0233	Elements: 14

User Option (Usage): Used

To transmit identifying codes, weights, and other related information related to an individual carton (package)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CD301	187	Weight Qualifier Description: Code defining the type of weight All valid standard codes are used.	X	ID	1/2	Used
CD302	81	Weight Description: Numeric value of weight	X	R	1/10	Used
CD303	619	Zone Description: To identify zone	O	AN	2/3	Used
CD304	34	Service Standard Description: To report the time period of carrier's standard service for the shipment	O	N1	1/4	Used
CD305	284	Service Level Code Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier All valid standard codes are used.	X	ID	2/2	Used
CD306	108	Pick-up or Delivery Code Description: Specifies the location or type of pickup or delivery All valid standard codes are used.	O	ID	1/2	Used
CD307	122	Rate/Value Qualifier Description: Code qualifying how to extend charges or interpret value All valid standard codes are used.	X	ID	2/2	Used
CD308	58	Charge Description: For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	X	N2	1/12	Used
CD309	122	Rate/Value Qualifier Description: Code qualifying how to extend charges or interpret value All valid standard codes are used.	X	ID	2/2	Used
CD310	58	Charge Description: For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	X	N2	1/12	Used
CD311	284	Service Level Code Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier	X	ID	2/2	Used

CD312	284	All valid standard codes are used. Service Level Code Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier All valid standard codes are used.	O	ID	2/2	Used
CD313	591	Payment Method Code Description: Code identifying the method for the movement of payment instructions All valid standard codes are used.	O	ID	3/3	Used
CD314	26	Country Code Description: Code identifying the country	O	ID	2/3	Used

Syntax:

1. P0102 - If either CD301,CD302 is present, then all are required
2. P0708 - If either CD307,CD308 is present, then all are required
3. P0910 - If either CD309,CD310 is present, then all are required
4. C1105 - If CD311 is present, then all of CD305 are required
5. C1211 - If CD312 is present, then all of CD311 are required
6. C1405 - If CD314 is present, then all of CD305 are required

Semantics:

1. CD308 is the charge for the single package.
2. CD310 is the total charge for all of the packages.
3. CD314 is the country where the service is to be performed.

L11 Business Instructions and Reference Number

Pos: 390	Max: 20
Heading - Optional	
Loop: 0233	Elements: 3

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
L1102	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification All valid standard codes are used.	X	ID	2/3	Used
L1103	352	Description Description: A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0103 - At least one of L1101,L1103 is required
2. P0102 - If either L1101,L1102 is present, then all are required

Loop 0240

Pos: 400	Repeat: 10
	Optional
Loop: 0240	Elements: N/A

To specify the status of a shipment, the reason for that status, the date and time of the status and the date and time of any appointments scheduled.

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
400	AT7	Shipment Status Details	O	1		Used
402	MS1	Equipment, Shipment, or Real Property Location	O	1		Used
404	MS2	Equipment or Container Owner and Type	O	1		Used

AT7 Shipment Status Details

Pos: 400	Max: 1
Heading - Optional	
Loop: 0240	Elements: 7

User Option (Usage): Used

To specify the status of a shipment, the reason for that status, the date and time of the status and the date and time of any appointments scheduled.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT701	1650	Shipment Status Code Description: Code indicating the status of a shipment All valid standard codes are used.	X	ID	2/2	Used
AT702	1651	Shipment Status or Appointment Reason Code Description: Code indicating the reason a shipment status or appointment reason was transmitted All valid standard codes are used.	X	ID	2/2	Used
AT703	1652	Shipment Appointment Status Code Description: Code indicating the status of an appointment to pick-up or deliver a shipment All valid standard codes are used.	X	ID	2/2	Used
AT704	1651	Shipment Status or Appointment Reason Code Description: Code indicating the reason a shipment status or appointment reason was transmitted All valid standard codes are used.	X	ID	2/2	Used
AT705	373	Date Description: Date expressed as CCYYMMDD	X	DT	8/8	Used
AT706	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used
AT707	623	Time Code Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow All valid standard codes are used.	O	ID	2/2	Used

Syntax:

1. E0103 - Only one of AT701,AT703 may be presented

2. P0102 - If either AT701,AT702 is present, then all are required
3. P0304 - If either AT703,AT704 is present, then all are required
4. C0605 - If AT706 is present, then all of AT705 are required
5. C0706 - If AT707 is present, then all of AT706 are required

Semantics:

1. If AT701 is present, AT705 is the date the status occurred. If AT703 is present, AT705 is a date related to an appointment.
2. If AT701 is present, AT706 is the time of the status. If AT703 is present, AT706 is the time of the appointment.
3. If AT707 is not present then AT706 represents local time of the status.

MS1 Equipment, Shipment, or Real Property Location

Pos: 402	Max: 1
Heading - Optional	
Loop: 0240	Elements: 7

User Option (Usage): Used

To specify the location of a piece of equipment, a shipment, or real property in terms of city and state or longitude and latitude

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MS101	19	City Name Description: Free-form text for city name	X	AN	2/30	Used
MS102	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	X	ID	2/2	Used
MS103	26	Country Code Description: Code identifying the country	X	ID	2/3	Used
MS104	1654	Longitude Code Description: Code indicating the longitude in degrees (3 positions), minutes (2 positions), and seconds (2 positions)	X	ID	7/7	Used
MS105	1655	Latitude Code Description: Code indicating the latitude in degrees (3 positions), minutes (2 positions), seconds (2 positions)	X	ID	7/7	Used
MS106	1280	Direction Identifier Code Description: Code identifying geographic direction All valid standard codes are used.	O	ID	1/1	Used
MS107	1280	Direction Identifier Code Description: Code identifying geographic direction All valid standard codes are used.	O	ID	1/1	Used

Syntax:

1. L010203 - If MS101 is present, then at least one of MS102,MS103 is required
2. E0104 - Only one of MS101,MS104 may be presented
3. C0201 - If MS102 is present, then all of MS101 are required
4. C0301 - If MS103 is present, then all of MS101 are required
5. P0405 - If either MS104,MS105 is present, then all are required
6. C0604 - If MS106 is present, then all of MS104 are required
7. C0705 - If MS107 is present, then all of MS105 are required

Semantics:

1. MS104 is the longitude expressed in Degrees, Minutes, and Seconds.
2. MS105 is the latitude expressed in Degrees, Minutes, and Seconds.
3. MS106 may only be 'E' or 'W'.
4. MS107 may only be 'N' or 'S'.

MS2 Equipment or Container Owner and Type

Pos: 404	Max: 1
Heading - Optional	
Loop: 0240	Elements: 4

User Option (Usage): Used

To specify the owner, the identification number assigned by that owner, and the type of equipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MS201	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code	X	ID	2/4	Used
MS202	207	Equipment Number Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	X	AN	1/10	Used
MS203	40	Equipment Description Code Description: Code identifying type of equipment used for shipment All valid standard codes are used.	O	ID	2/2	Used
MS204	761	Equipment Number Check Digit Description: Number which designates the check digit applied to a piece of equipment	O	N0	1/1	Used

Syntax:

1. P0102 - If either MS201,MS202 is present, then all are required
2. C0402 - If MS204 is present, then all of MS202 are required

Comments:

1. MS203 identifies the type for the equipment specified in MS202.

MAN Marks and Numbers

Pos: 405	Max: 9999
Heading - Optional	
Loop: 0233	Elements: 6

User Option (Usage): Used

To indicate identifying marks and numbers for shipping containers

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MAN01	88	Marks and Numbers Qualifier Description: Code specifying the application or source of Marks and Numbers (87) All valid standard codes are used.	M	ID	1/2	Must use
MAN02	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	M	AN	1/48	Must use
MAN03	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	O	AN	1/48	Used
MAN04	88	Marks and Numbers Qualifier Description: Code specifying the application or source of Marks and Numbers (87) All valid standard codes are used.	X	ID	1/2	Used
MAN05	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	X	AN	1/48	Used
MAN06	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	O	AN	1/48	Used

Syntax:

1. P0405 - If either MAN04,MAN05 is present, then all are required
2. C0605 - If MAN06 is present, then all of MAN05 are required

Semantics:

1. MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
2. When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
3. When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

Comments:

1. When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
2. MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers.
3. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Loop 0250

Pos: 410	Repeat: 999999
Optional	
Loop: 0250	Elements: N/A

To specify the purchase order details for a shipment

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
410	SPO	Shipment Purchase Order Detail	O	1		Used
420	SDQ	Destination Quantity	O	10		Used

SPO Shipment Purchase Order Detail

Pos: 410	Max: 1
Heading - Optional	
Loop: 0250	Elements: 8

User Option (Usage): Used

To specify the purchase order details for a shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SPO01	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22	Must use
SPO02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used
SPO03	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.	X	ID	2/2	Used
SPO04	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SPO05	188	Weight Unit Code Description: Code specifying the weight unit All valid standard codes are used.	X	ID	1/1	Used
SPO06	81	Weight Description: Numeric value of weight	X	R	1/10	Used
SPO07	647	Application Error Condition Code Description: Code indicating application error condition All valid standard codes are used.	O	ID	1/3	Used
SPO08	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used

Syntax:

1. P0304 - If either SPO03,SPO04 is present, then all are required
2. P0506 - If either SPO05,SPO06 is present, then all are required

Semantics:

1. SPO02 is the department number.
2. SPO04 is the total quantity for the purchase order.
3. SPO06 is the total weight for the purchase order.
4. SPO07 indicates the data error condition relative to the shipment management information.
5. SPO08 is used to specify sorting and/or segregating reference numbers for each receiving location (processing area).

SDQ Destination Quantity

Pos: 420	Max: 10
Heading - Optional	
Loop: 0250	Elements: 23

User Option (Usage): Used

To specify destination and quantity detail

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ01	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.	M	ID	2/2	Must use
SDQ02	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) All valid standard codes are used.	O	ID	1/2	Used
SDQ03	67	Identification Code Description: Code identifying a party or other code	M	AN	2/80	Must use
SDQ04	380	Quantity Description: Numeric value of quantity	M	R	1/15	Must use
SDQ05	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ06	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ07	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ08	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ09	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ10	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ11	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ12	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ13	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ14	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ15	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used

SDQ16	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ17	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ18	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ19	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ20	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ21	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ22	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ23	310	Location Identifier Description: Code which identifies a specific location	O	AN	1/30	Used

Syntax:

1. P0506 - If either SDQ05,SDQ06 is present, then all are required
2. P0708 - If either SDQ07,SDQ08 is present, then all are required
3. P0910 - If either SDQ09,SDQ10 is present, then all are required
4. P1112 - If either SDQ11,SDQ12 is present, then all are required
5. P1314 - If either SDQ13,SDQ14 is present, then all are required
6. P1516 - If either SDQ15,SDQ16 is present, then all are required
7. P1718 - If either SDQ17,SDQ18 is present, then all are required
8. P1920 - If either SDQ19,SDQ20 is present, then all are required
9. P2122 - If either SDQ21,SDQ22 is present, then all are required

Semantics:

1. SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:

1. SDQ02 is used only if different than previously defined in the transaction set.
2. SDQ03 is the store number.
3. SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

Loop 0260

Pos: 423	Repeat: >1
	Optional
Loop: 0260	Elements: N/A

To provide basic information about the electronic format of the interchange data

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
423	EFI	Electronic Format Identification	O	1		Used
426	BIN	Binary Data	M	1		Must use

EFI Electronic Format Identification

Pos: 423	Max: 1
Heading - Optional	
Loop: 0260	Elements: 16

User Option (Usage): Used

To provide basic information about the electronic format of the interchange data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
EFI01	786	Security Level Code Description: Code indicating the level of confidentiality assigned by the sender to the information following All valid standard codes are used.	M	ID	2/2	Must use
EFI02	933	Free-Form Message Text Description: Free-form message text	O	AN	1/264	Used
EFI03	797	Security Technique Code Description: Code indicating that this element will be used to tell an EDI translator program which security technique to use All valid standard codes are used.	O	ID	2/2	Used
EFI04	799	Version Identifier Description: Revision level of a particular format, program, technique or algorithm	X	AN	1/30	Used
EFI05	802	Program Identifier Description: Identifies the name of the software program from which the technical data originates	O	AN	1/30	Used
EFI06	799	Version Identifier Description: Revision level of a particular format, program, technique or algorithm	X	AN	1/30	Used
EFI07	801	Interchange Format Description: Industry or proprietary standard used to identify the format of the data	O	AN	1/30	Used
EFI08	799	Version Identifier Description: Revision level of a particular format, program, technique or algorithm	X	AN	1/30	Used
EFI09	800	Compression Technique Description: Identifies the digital data compression means and the type	O	AN	1/30	Used
EFI10	789	Drawing Sheet Size Code Description: Code indicating the drawing size and orientation of a technical drawing as specified and described in the current version of standards ANSI Y14.1 and ISO 5457 (E); see the listed ANSI and ISO standards for the maximum lengths for rolled sheets * All valid standard codes are used.	O	AN	2/2	Used
EFI11	803	File Name Description: Name assigned or declared for a file or used by a program to identify a file; exact format of the name depends on the computer operating system being used; name	O	AN	1/64	Used

		also may be known as the file's "data set name"				
EFI12	804	Block Type Description: Organization of a data block such as fixed length, variable length, spanned, etc. Synonym for "data format"	O	AN	1/4	Used
EFI13	787	Record Length Description: Quantity of characters or bytes in a record. Synonyms are "logical record length" and "record size"	O	N	1/15	Used
EFI14	788	Block Length Description: Quantity of data elements in a block, usually specified in units such as records, words or characters; synonym for "block size"	O	N	1/5	Used
EFI15	799	Version Identifier Description: Revision level of a particular format, program, technique or algorithm	X	AN	1/30	Used
EFI16	1570	Filter ID Code Description: Code specifying the type of filter used to convert data code values All valid standard codes are used.	X	ID	3/3	Used

Syntax:

1. C0504 - If EFI05 is present, then all of EFI04 are required
2. C0706 - If EFI07 is present, then all of EFI06 are required
3. C0908 - If EFI09 is present, then all of EFI08 are required
4. P1516 - If either EFI15,EFI16 is present, then all are required

BIN Binary Data

Pos: 426	Max: 1
Heading - Mandatory	
Loop: 0260	Elements: 2

User Option (Usage): Must use

To transfer binary data in a single data segment and allow identification of the end of the data segment through a count; there is no identification of the internal structure of the binary data in this segment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIN01	784	Length of Binary Data Description: The length in integral octets of the binary data	M	N0	1/15	Must use
BIN02	785	Binary Data Description: A string of octets which can assume any binary pattern from hexadecimal 00 to FF	M	B	1/1E+16	Must use

SE Transaction Set Trailer

Pos: 610	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Comments:

1. SE is the last segment of each transaction set.

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the end of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	Number of Transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use
GE02	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups Description: A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use